

Clavel 4976582
Rahmede 4695181

ATTORNEY DOCKET NO.: 066477-0012

Application No.: 09/857,348

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IN THE CLAIMS:

*possible
Exam Amend (Call)*

1. (Currently Amended) An industrial robot including at least one linkage device in which pull rods are arranged in a multi-joint system where the joints include three-axle ball and socket joints, wherein a bearing element is fixed so that the bearing element does not rotate in a housing in the socket of a joint, the bearing element further includes friction-increasing means in the form of ~~preformed~~ *preformed* grooves arranged substantially parallel with a central axis of the bearing element, the housing including a surface against which the bearing element abuts and the surface being ~~preformed~~ *preformed* ~~present before installation~~ provided with friction-increasing means in the form of complementary grooves engageable with the grooves provided on the bearing element to increase friction between the surface and the bearing element.

2. (Previously Amended) The robot according to claim 1, wherein the bearing element comprises an annular bearing element.

3. (Previously Amended) The robot according to claim 1, wherein the friction-increasing means is structured as to penetrate the bearing element effecting a permanent deformation.

4. (Cancelled)

5. (Previously Amended) The robot according to claim 1, wherein the bearing element abuts with the surface and is pressed thereagainst to fit tightly.

6. (Cancelled)

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7. (Previously Amended) The robot according to claim 1, wherein the bearing element is comprised of a polymer material.

8. (Previously Amended) The robot according to claim 1, wherein the robot comprises a delta robot.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Currently Amended) A method for eliminating risk of play in a three-axle ball and socket joint in an industrial robot, comprising the steps of providing at least one linkage device for the robot, the device having pull rods arranged in a multi-joint system where the joints each comprise the three-axle ball and socket joint, providing a socket of the joint with a housing to accommodate a bearing element, providing the bearing element with friction-increasing means in the form of ^{platforms} grooves arranged substantially parallel with a central axis of the bearing element, providing the housing with a surface against which the bearing element abuts, fixing the bearing element such that the bearing element does not rotate in the housing, the fixing step being effected by providing the surface with friction-increasing means in the form of complementary ^{platforms} grooves engageable with the grooves provided on the bearing element, and engaging the friction-increasing means with the bearing element when the bearing element is positioned in place.

13. (Previously Amended) The method according to claim 12, comprising the further step of pressing the bearing element to fit tightly in place in the housing of the joint socket.